

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: CHALMERS BUTLER et al.

Serial No: 09/894,870

Filed: June 28, 2001

Confirmation No: 3691

Title: DESIGNS FOR WIDE BAND ANTENNAS WITH
PARASITIC ELEMENTS AND A METHOD TO
OPTIMIZE THEIR DESIGN USING A GENETIC
ALGORITHM AND FAST INTEGRAL EQUATION
TECHNIQUE

Group Art Unit: 2123

Examiner: K. Thangavelu

Our Client ID: 22827

Our Account No: 04-1403



Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

This is a response/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is to be treated as the signature to the attachment in absence of a signature thereto.

Fee requirements (if any) have been calculated as shown below:

	Claims remaining after amendment	Highest number previously paid for	Present Extra	Additional Fee
Total Effective Claims	58	58	=	\$
Independent Claims	8	8	=	\$
If amendment enters <u>proper</u> multiple dependent claim(s) into this application for <u>first</u> time, add \$290.00 (per application)				
Since Official Action set an <u>original</u> due date of <u>03/23/2005</u> ,				
PETITION is hereby made for an extension to cover the date this response is filed for which the requisite fee is enclosed (1 month \$120; 2 months \$450; 3 months \$1,020; 4 months \$1590, 5 months \$2,160)				
If Terminal Disclaimer enclosed, add Rule 20(d) Official Fee (\$110.00)				
SUBTOTAL:				\$ 450.00
If "small entity" verified statement filed <input checked="" type="checkbox"/> previously, <input type="checkbox"/> herewith, enter one-half (1/2) of subtotal and <u>subtract</u>				\$ 225.00
TOTAL:				\$ 225.00
Other: <u>Appendices A through C; compact discs: Copy 1 and Copy 2</u>				\$
TOTAL FEE ENCLOSED:				\$ 225.00

The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

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By: RICHARD M. MOOSE Reg. No.: 31,226 Date: 05/23/2005

Signature: *Richard M. Moose*

"Express Mail" - Mailing Label Number EV599455729US

Date of Deposit May 23, 2005

I hereby certify that this paper, papers attached hereto, and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

CHRISTINE P. STANFIELD

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)



ATTORNEY DOCKET NO.: CXU-339

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Chalmers Butler, et al.)	Examiner: Kandasamy Thangavelu
)	
Serial No.: 09/894,870)	Group Art Unit: 2123
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Filed: June 28, 2001)	Our Customer ID: 22827
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Confirmation No.: 3691)	Our Account No.: 04-1403
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Title: Designs for Wideband Antennas with)	
Parasitic Elements and a Method to)	
Optimize Their Design Using a Genetic)	
Algorithm and Fast Integral Equation)	
Technique)	

AMENDMENT AND RESPONSE

Commissioner For Patents
U.S. Patent and Trademark Office
Post Office Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.111 and in response to the Office Action mailed December 23, 2004, Applicants respectfully request reconsideration and allowance of the subject application, based on the amendments and remarks set forth herein. In accordance with 37 C.F.R. 1.121, the present response includes the following sections:

- **AMENDMENTS TO THE SPECIFICATION** begin on page 2 of this paper;
- **AMENDMENTS TO THE CLAIMS** are reflected in the listing of claims which begins on page 3 of this paper; and
- **REMARKS** begin on page 14 of this paper.